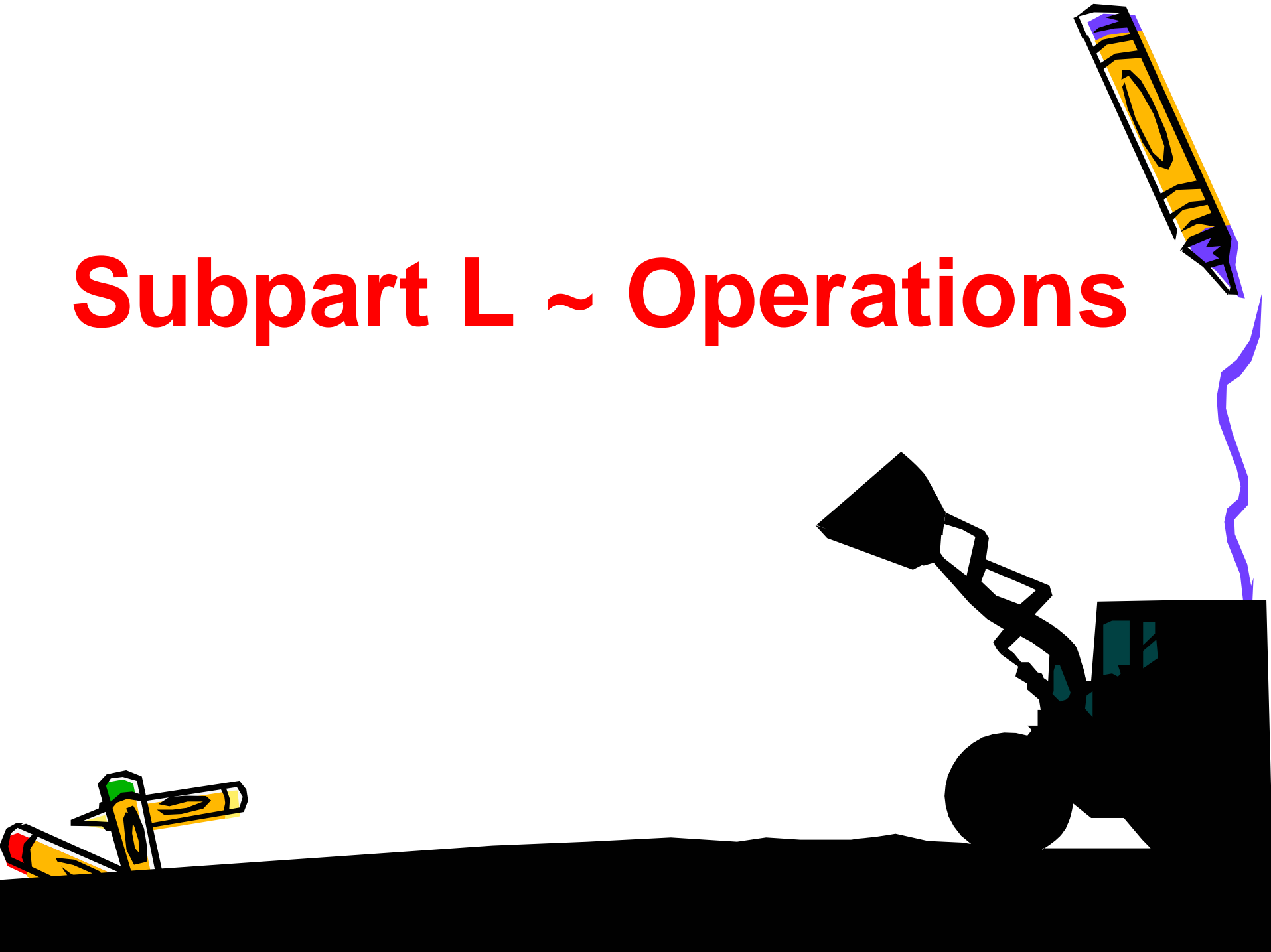


Subpart L ~ Operations



Key Areas:

Written Plans –

O&M Procedures / Records

Emergency Plan

Damage Prevention

Public Awareness



- **Other Key Areas (detailed):**

Continuing Surveillance

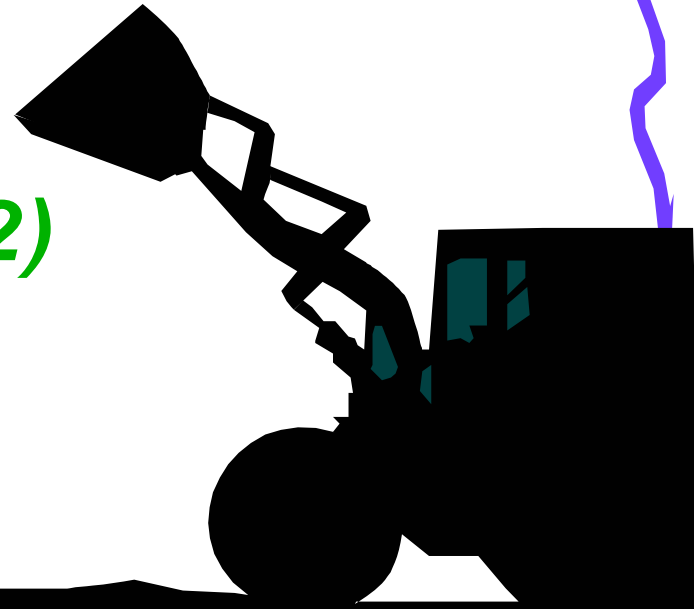
Class Location Changes

Damage Prevention

MAOP

Odorization

Public Education (API 1162)

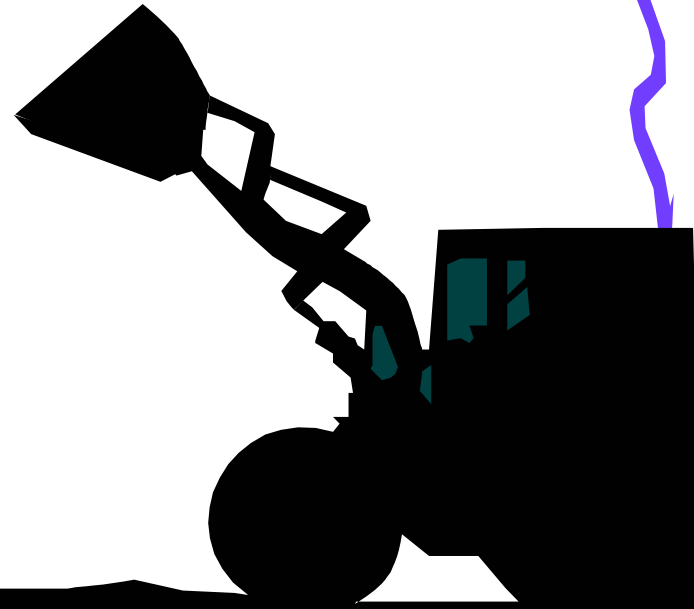
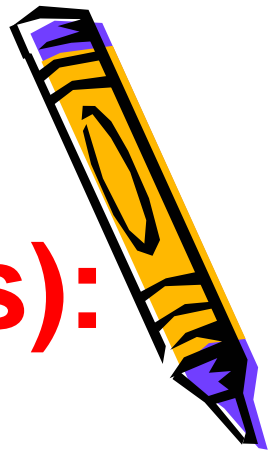


- **Other Key Areas (no details):**

Failure Investigation

Hot Tapping

Purging



192.613 "Continuing Surveillance"



"CONTINUING SURVEILLANCE" =

Regular and Frequent Close
Observation of the Pipeline
and the Pipeline System



192.603 "General Requirements"



- (a) No person may operate a segment of pipeline unless it is operated in accordance with this subpart.
- (b) Each operator shall keep records necessary to administer the procedures established under §192.605.
- (c) The Administrator or the State Agency... may require the operator to amend its plans and procedures as necessary to provide a reasonable level of safety.



192.605 Procedural Manual for O&M and Emergencies

- (a) General. Each operator shall prepare and follow for each pipeline, a manual of written procedures for conducting operations and maintenance activities and for emergency response. For transmission lines, the manual must also include procedures for handling abnormal operations.



192.605 Procedural Manual for O&M and Emergencies

- (a) *General (continued).* This manual must be reviewed and updated by the operator at intervals not exceeding 15 months, but at least one each calendar year. This manual must be prepared before operations of a pipeline system commence. Appropriate parts of the manual must be kept at locations where operations and maintenance activities are conducted.



192.613 "Continuing Surveillance"



Continuing Surveillance Vs. Patrolling (Maintenance)

- C. S. -- Recurring Observation
-- Detect, Record, & React
to Abnormal Conditions



192.613 "Continuing Surveillance"

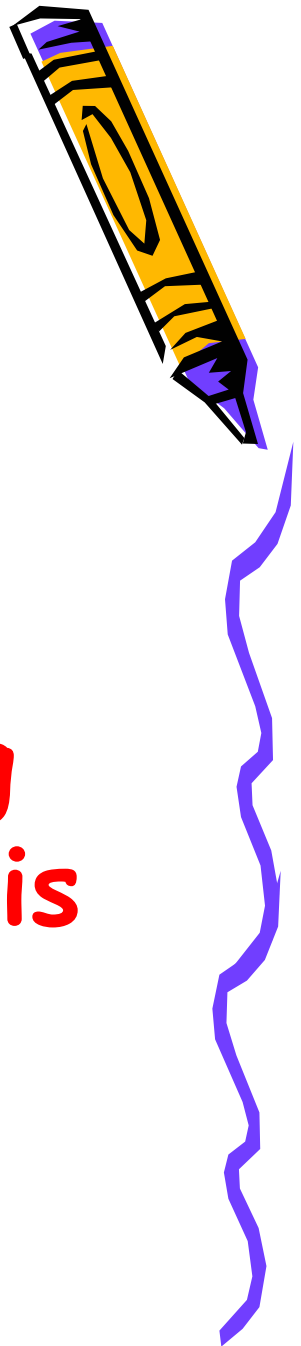
Continuing Surveillance Vs. Patrolling (Maintenance)

Patrolling -- Specified Periodic
Inspections Required
By Subpart M
-- Records Required For
Compliance



192.613 "Continuing Surveillance"

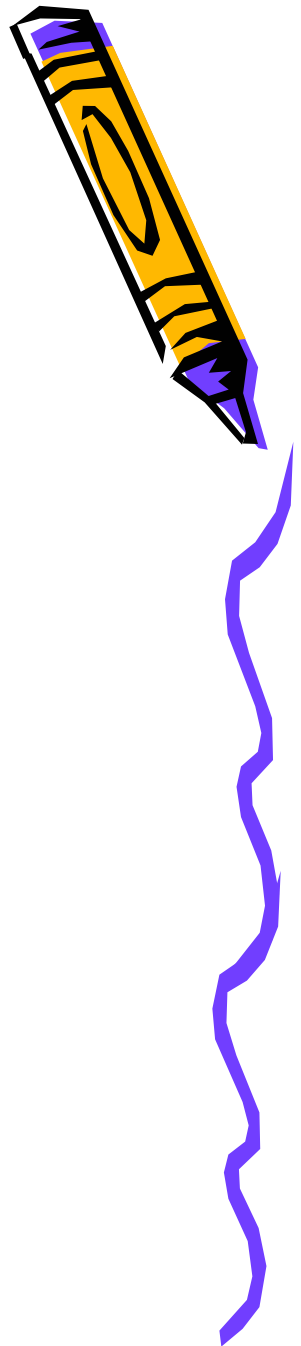
Basically, Continuing Surveillance Is Patrolling Done On an Everyday Basis



192.613 "Continuing Surveillance"

What Are You Looking For?

192.613(a)



192.613(a) "Continuing Surveillance"

- Changes In Class Location
- Evidence of Failures, Faulty Equipment
- Leaks, Changes In Leak History
- Evidence of Corrosion
- Changes In C. P. Requirements
- Other Unusual Conditions



192.613(a) "Continuing Surveillance"

-- Other Unusual Conditions

Washouts

Encroachments

Construction,

Roadwork

Damaged or Missing

Line Markers

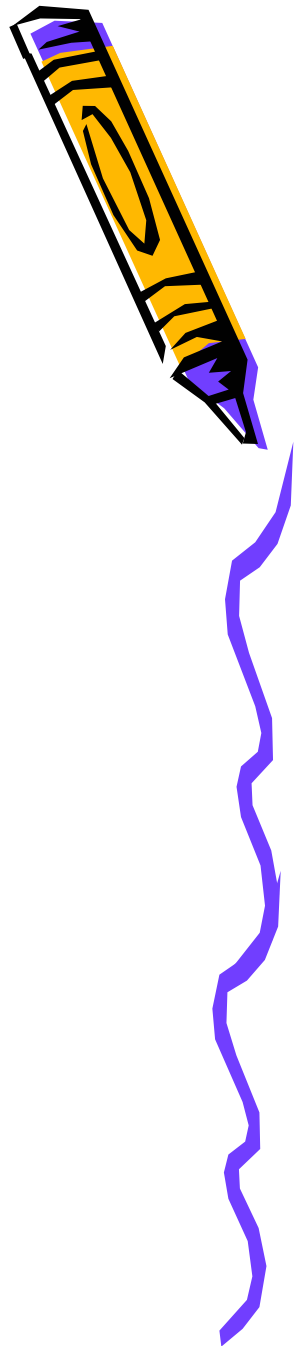
Etc.



192.613 "Continuing Surveillance"

What If You Find
Something?

192.613(b)



Requirements of 192.613 (b)

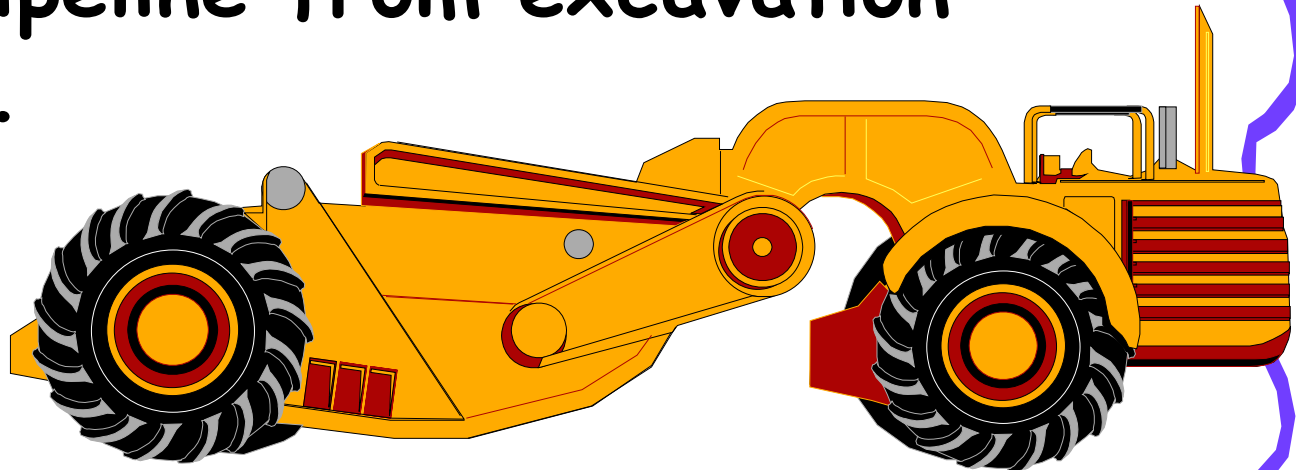
- Pipeline Segment --
 - a) In Unsatisfactory Condition
 - b) No Immediate Hazard Exists
- Operator Establish Project --
 - a) Recondition Segment
 - b) Phase Out Segment
 - c) Reduce Segment M.A.O.P.



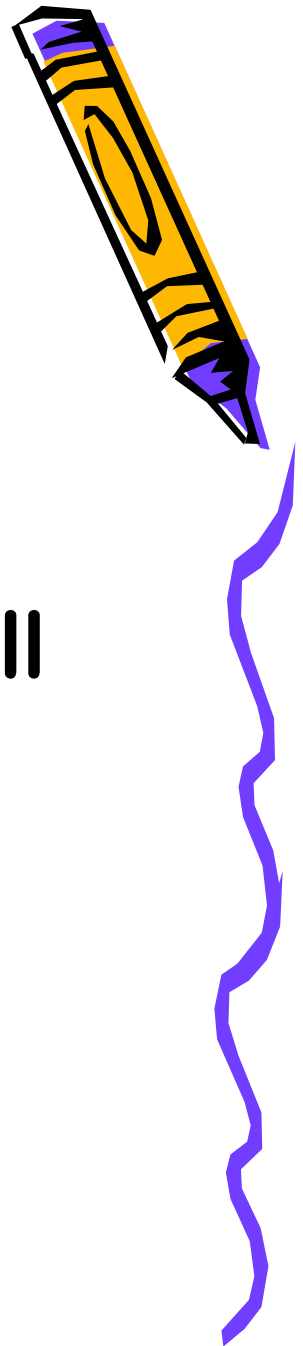
192.614 ~

Damage Prevention Programs

- (a) Except as provided in (d) & (e) each operator must carry out a written program to prevent damage to that pipeline from excavation activities.



Damage Prevention Program



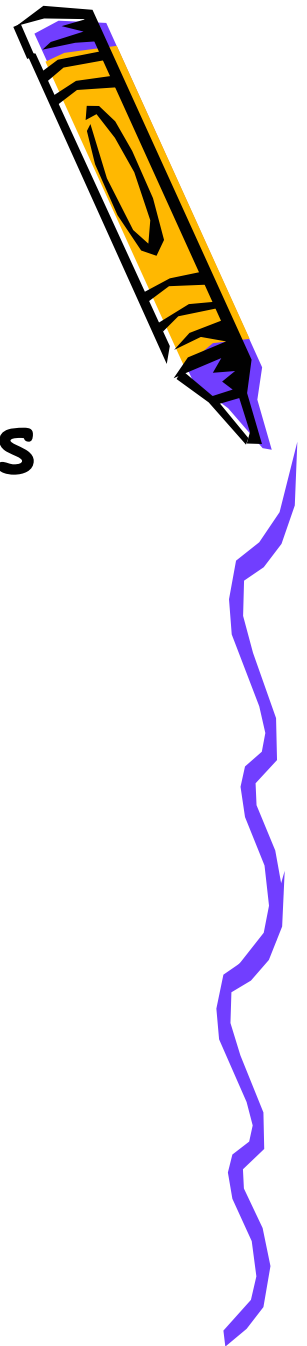
- (b) An operator may comply with any of the requirements of (c) through participation in a one-call system,

BUT

this does not relieve the operator of responsibility for compliance.



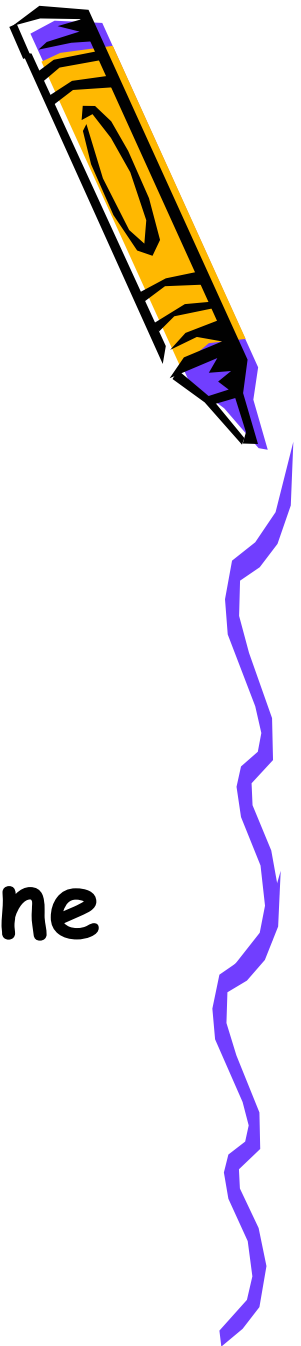
Damage Prevention Program



- (b) Operator **must** perform duties of paragraph (c)(3) through a qualified one-call.
- Where multiple one-calls exist, may join only one if,
 - Central telephone number, or
 - One-call systems communicate



Damage Prevention Program



- (b) An operator's pipeline system **must** be covered by qualified one-call system if one is in place.



Program Minimums

- (c)(3) Means of receiving and recording notices of excavation



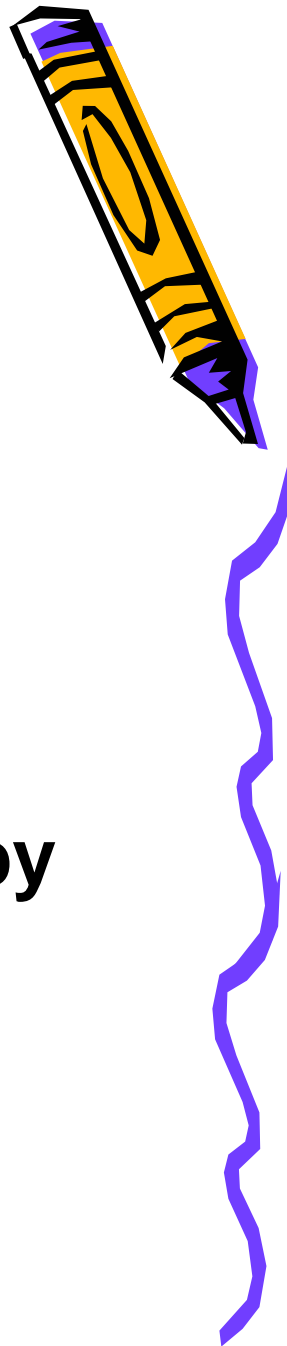
Program Minimums

- Must identify, on a current basis, persons who normally engage in excavation activities in area of pipeline.



Exceptions

- **Program is not required;**
 - **Pipelines located offshore.**
 - **Pipelines with access controlled by the operator**



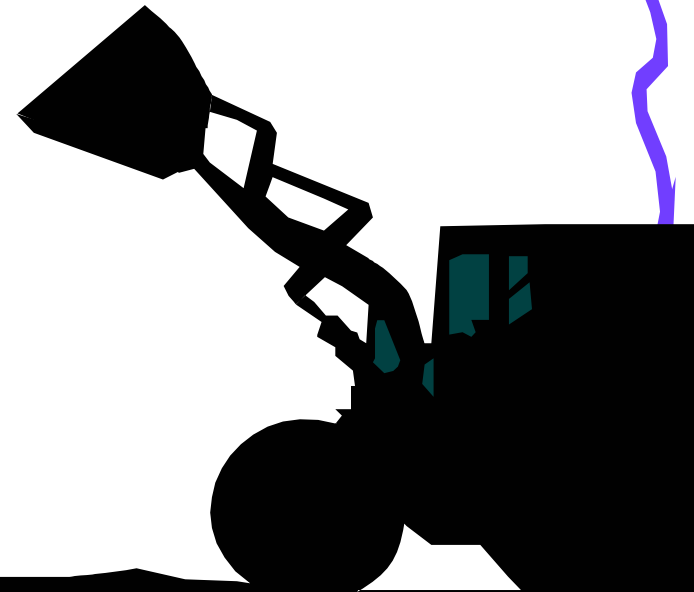
Partial Exceptions

- (e) Pipelines operated by persons other than municipalities whose primary activity does not include the transportation of gas need not comply with the following:
 - Written program
 - Identifying excavators
 - Notification process



192.616 Public Education

- ▲ Changed by Amendment 192-100
- ▲ Incorporates API 1162



Final Rule: Amendment 192-100

- § 192.616 Public awareness.
- (a) Each pipeline operator must develop and implement a written continuing public education program that follows the guidance provided in the American Petroleum Institute's (API) Recommended Practice (RP) 1162 (IBR, see § 192.7).

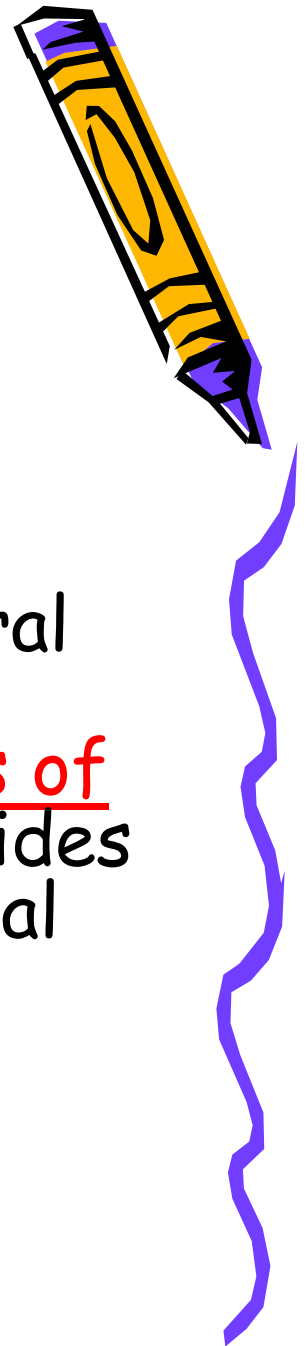


Final Rule: Amendment 192-100

- § 192.616 Public awareness.
- (b) The operator's program must follow the general program recommendations of API RP 1162 and assess the unique attributes and characteristics of the operator's pipeline and facilities.



Final Rule: Amendment 192-100

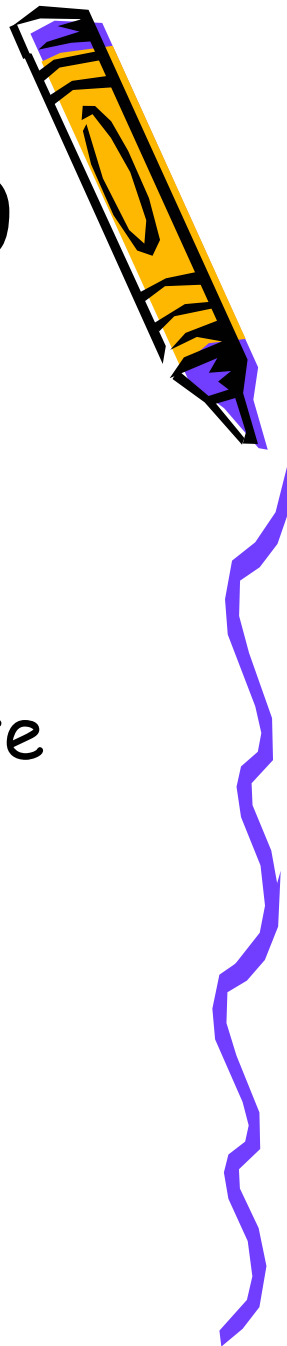


- § 192.616 Public awareness.
- (c) The operator must follow the general program recommendations, including baseline and supplemental requirements of API RP 1162*, unless the operator provides justification in its program or procedural manual as to why compliance with all or certain provisions of the recommended practice is not practicable and not necessary for safety.

** Correction to final rule dated 6/16/05*



Final Rule: Amendment 192-100



- § 192.616 Public awareness.
- (d) The operator's program must specifically include provisions to educate the public, appropriate government organizations, and persons engaged in excavation related activities on:



Final Rule: Amendment 192-100

- § 192.616 Public awareness.

- (1) Use of a one-call notification system prior to excavation and other damage prevention activities;
- (2) Possible hazards associated with unintended releases from a gas pipeline facility;
- (3) Physical indications that such a release may have occurred;
- (4) Steps that should be taken for public safety in the event of a gas pipeline release; and
- (5) Procedures for reporting such an event.



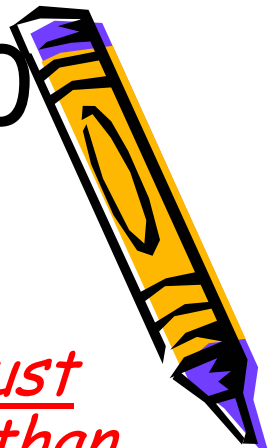
Final Rule: Amendment 192-100

- § 192.616 Public awareness.
- (e) The program must include activities to advise affected municipalities, school districts, businesses, and residents of pipeline facility locations.
- (f) The program and the media used must be as comprehensive as necessary to reach all areas in which the operator transports gas.
- (g) The program must be conducted in English and in other languages commonly understood by a significant number and concentration of the non-English speaking population in the operator's area.



Final Rule: Amendment 192-100

- § 192.616 Public awareness.
- (h) Operators in existence on June 20, 2005, must have completed their written programs no later than June 20, 2006. As an exception, operators of small propane distribution systems having less than 25 customers and master meter operators having less than 25 customers must have completed development and documentation of their programs no later than June 20, 2007. Upon request, operators must submit their completed programs to PHMSA or, in the case of an intrastate pipeline facility operator, the appropriate State agency.



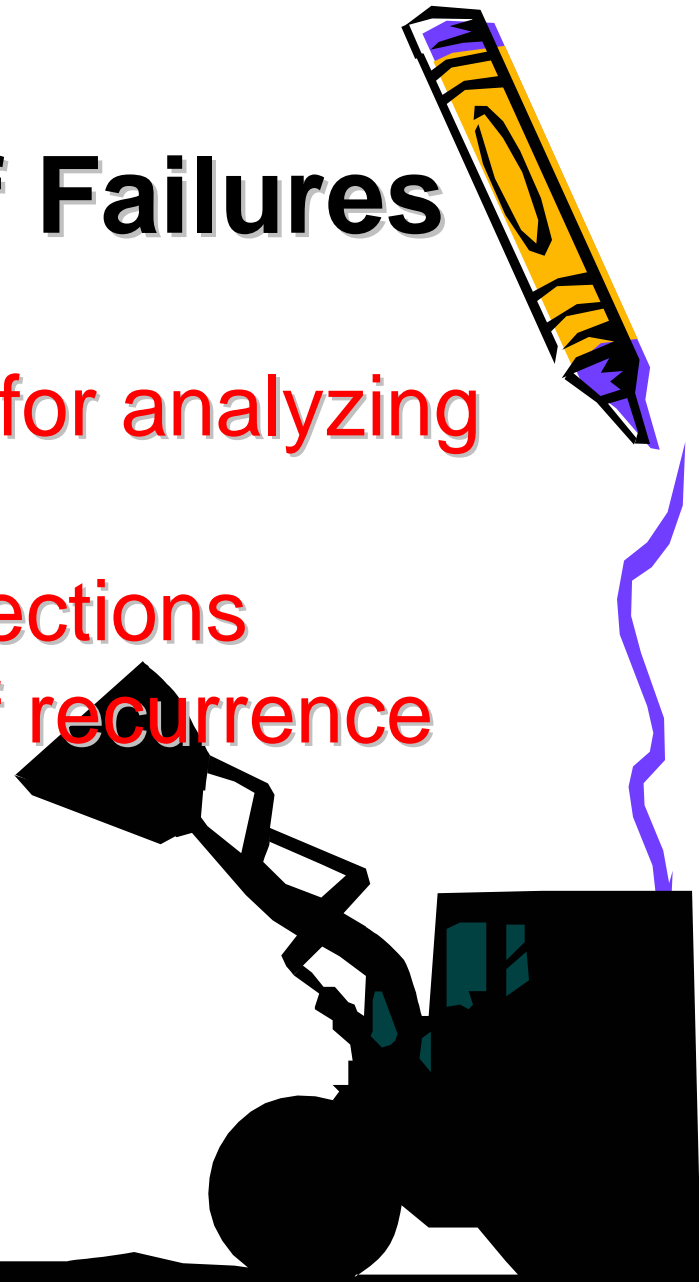
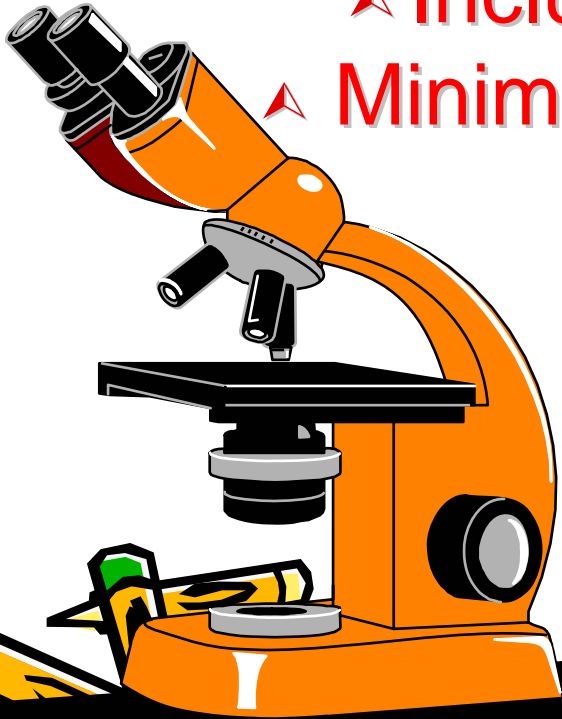
Final Rule: Amendment 192-100

- § 192.616 Public awareness.
- (i) The operator's program documentation and evaluation results must be available for periodic review by appropriate regulatory agencies.



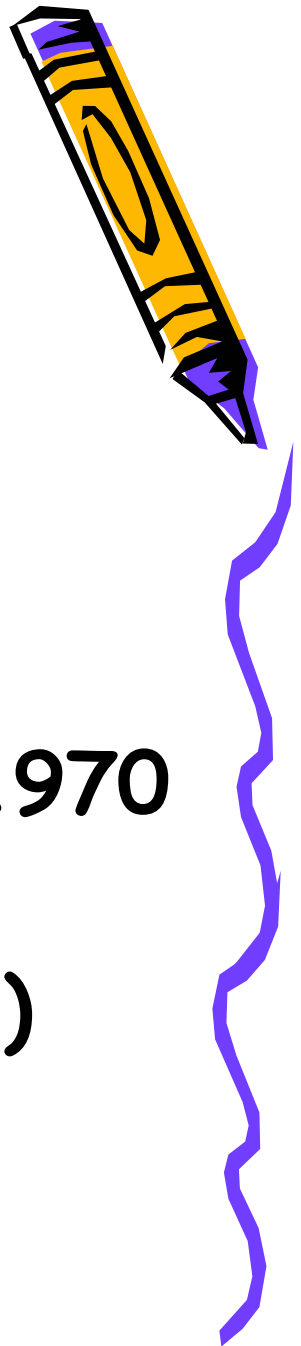
192.617 Investigation of Failures

- ▶ Establish procedures for analyzing accidents and failures
- ▶ Include sample collections
- ▶ Minimize possibility of recurrence



192.619 ~ MAOP

(For Pipelines Before 1970)



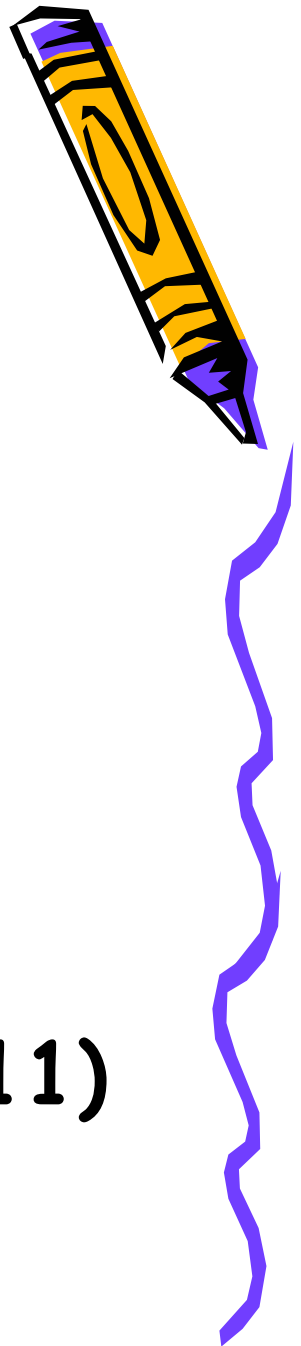
- System Design
- Test Pressure
- Operating History (MOP) ~ 1965-1970
- Subject to Class Location Change
(Transmission, §192.609 & 192.611)



192.619 ~ MAOP

(For Pipelines After 1970)

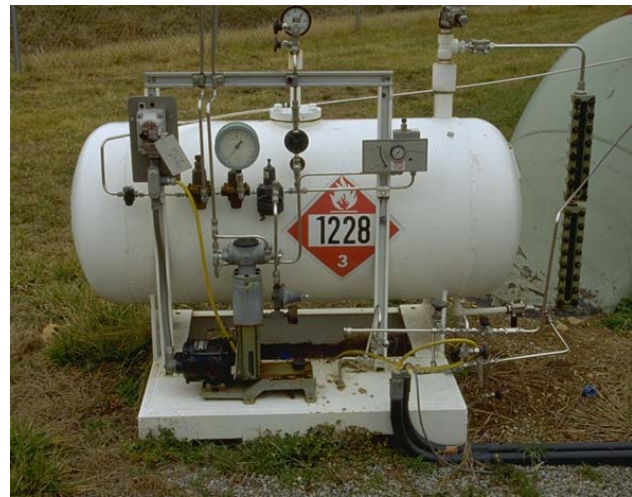
- System Design
- Test Pressure
- Overpressure Protection
(Distribution, §192.197)
- Subject to Class Location Change
(Transmission, §192.609 & 192.611)



192.625 ~ Odorization of Gas

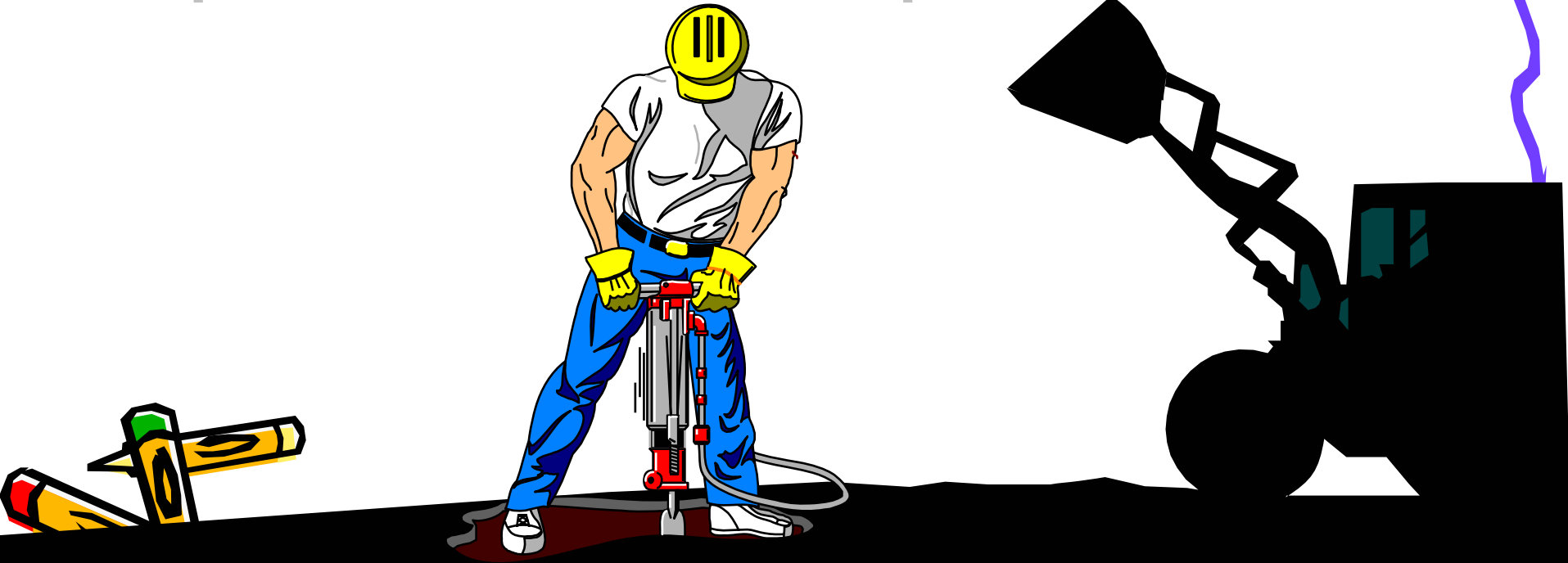
- Combustible gas in a distribution line must:
 - Contain a natural odorant, or
 - Be odorized

At ALL Times



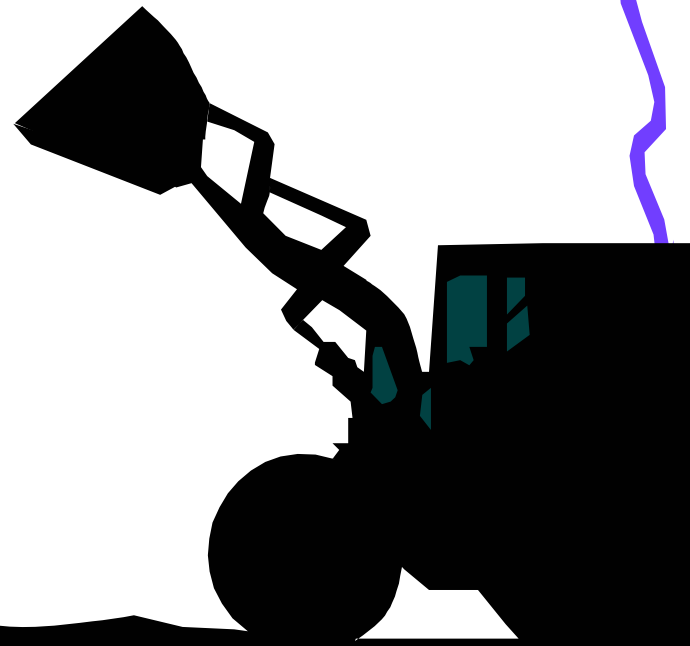
192.627 ~ Tapping Pipelines Under Pressure

- ▲ Each tap made on a pipeline under pressure must be performed by a crew qualified to make hot taps.



192.629 Purging of Pipelines

- ▲ Purging of gas by air or air by gas, MUST prevent accumulations of hazardous mixtures



Subpart L ~ Operations

THE END

